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<110> Mount Sinai School of Medicine of NYU

<120> TRP8, A TRANSIENT RECEPTOR POTENTIAL
CHANNEL EXPRESSED IN TASTE RECEPTOR CELL

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 Pro Ile His Tyr Pro Ala Asp Glu Gly Asn Ile Gln Gly Pro Leu Cys
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 Pro Leu Asp Ser Asn Leu Ser His Phe Ile Leu Val Glu Ser Gly Ala
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 Leu Gly Ser Gly Asn Asp Gly Leu Thr Glu Leu Gln Leu Ser Leu Glu
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595 600 605
Thr Thr Cys Leu His Leu Ala Thr Glu Ala Asp Ala Lys Ala Phe Phe
610 615 620
Ala His Asp Gly Val Gln Ala Phe Leu Thr Arg Ile Trp Trp Gly Asp
625 630 635 640
Met Ala Ala Gly Thr Pro Ile Leu Arg Leu Leu Gly Ala Phe Leu Cys
645 650 655
Phe Ala Leu Val Tyr Thr Asn Leu Ile Thr Phe Ser Glu Glu Ala Pro
660 665 670
Leu Arg Thr Gly Leu Glu Asp Leu Gln Asp Leu Asp Ser Leu Asp Thr
675 680 685
Glu Lys Ser Pro Leu Tyr Gly Leu Gln Ser Arg Val Glu Glu Leu Val
690 695 700
Glu Ala Pro Arg Ala Gln Gly Asp Arg Gly Pro Arg Ala Val Phe Leu
705 710 715 720
Leu Thr Arg Trp Arg Lys Phe Trp Gly Ala Pro Val Thr Val Phe Leu
725 730 735
Gly Asn Val Val Met Tyr Phe Ala Phe Leu Phe Leu Phe Thr Tyr Val
740 745 750
Leu Leu Val Asp Phe Arg Pro Pro Gln Gly Pro Ser Gly Pro Glu
755 760 765
Val Thr Leu Tyr Phe Trp Val Phe Thr Leu Val Leu Glu Glu Ile Arg
770 775 780
Gln Gly Phe Phe Thr Asp Glu Asp Thr His Leu Val Lys Lys Phe Thr
785 790 795 800
Leu Tyr Val Gly Asp Asn Trp Asn Lys Cys Asp Met Val Ala Ile Phe
805 810 815
Leu Phe Ile Val Gly Val Thr Cys Arg Met Leu Pro Ser Ala Phe Glu
820 825 830
Ala Gly Arg Thr Val Leu Ala Met Asp Phe Met Val Phe Thr Leu Arg
835 840 845
Leu Ile His Ile Phe Ala Ile His Lys Gln Leu Gly Pro Lys Ile Ile
850 855 860
Val Val Glu Arg Met Met Lys Asp Val Phe Phe Phe Leu Phe Phe Leu
865 870 875 880
Ser Val Trp Leu Val Ala Tyr Gly Val Thr Thr Gln Ala Leu Leu His
885 890 895
Pro His Asp Gly Arg Leu Glu Trp Ile Phe Arg Arg Val Leu Tyr Arg
900 905 910
Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro Leu Asp Glu Ile Asp Glu
915 920 925
Ala Arg Val Asn Cys Ser Thr His Pro Leu Leu Leu Glu Asp Ser Pro
930 935 940
Ser Cys Pro Ser Leu Tyr Ala Asn Trp Leu Val Ile Leu Leu Leu Val
945 950 955 960
Thr Phe Leu Leu Val Thr Asn Val Leu Leu Met Asn Leu Leu Ile Ala
965 970 975
Met Phe Ser Tyr Thr Phe Gln Val Val Gln Gly Asn Ala Thr Met Phe
980 985 990
Trp Lys Phe Gln Arg Tyr Asn Leu Ile Val Glu Tyr His Glu Arg Pro
995 1000 1005
Ala Leu Ala Pro Pro Phe Ile Leu Leu Ser His Leu Ser Leu Thr Leu
1010 1015 1020
Arg Arg Val Phe Lys Lys Glu Ala Glu His Lys Arg Glu His Leu Glu
1025 1030 1035 1040
Arg Asp Leu Pro Asp Pro Leu Asp Gln Lys Val Val Thr Trp Glu Thr
1045 1050 1055

C1
cut

Val Gln Lys Glu Asn Phe Leu Ser Lys Met Glu Lys Arg Arg Arg Asp
 1060 1065 1070
 Ser Glu Gly Glu Val Leu Arg Lys Thr Ala His Arg Val Asp Phe Ile
 1075 1080 1085
 Ala Lys Tyr Leu Gly Gly Leu Arg Glu Gln Glu Lys Arg Ile Lys Cys
 1090 1095 1100
 Leu Glu Ser Gln Ile Asn Tyr Cys Ser Val Leu Val Ser Ser Val Ala
 1105 1110 1115 1120
 Asp Val Leu Ala Gln Gly Gly Gly Pro Arg Ser Ser Gln His Cys Gly
 1125 1130 1135
 Glu Gly Ser Gln Leu Val Ala Ala Asp His Arg Gly Gly Ile Asp Gly
 1140 1145 1150
 Trp Glu Gln Pro Gly Ala Gly Gln Pro Pro Ser Asp Thr
 1155 1160 1165